

UNITS: INCHES		NOTES:	
ROTATION FROM NDE		1. MAIN CONDUIT BOX MAY BE ROTATED IN $90^{\circ}$ II	NCREMENTS
		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOS AVAILABLE ONLY BY CONNECTION CHANGE.	SITE ROTATION
		3. KEY DIMENSIONS EQUAL 0.500"x 0.500"x 3.88"	(MOTOR SUPPLIED WITH KEY)
TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHN	NICAL IMPROVEMENT AND THE DATA MAY CHAN	GE WITHOUT NOTICE	PRELIMINARY
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICAT	ION PURPOSES UNLESS THE DRAWING IS MARKE	D AS CERTIFIED	X CERTIFIED
	TOTALLY ENCLOSED FAN COOLED	DRAWING #: MDSLV001-06	
	HORIZONTAL FOOT MOUNTED	REV. DATE: 07/09/18 REV. #: 2	PER.: M. O'DOWD
www.toshiba.com/tic	<b>3 PHASE INDUCTION MOTOR</b>	REV. DESCRIP.:	
TOSHIBA INTERNATIONAL CORPORATION	324T-326T F1 ASSEMBL	Y	



		Issued Date	6/19/202	5	Transmit #	
		Issued By	dschoec	k	Issued Rev	
ТҮР	PICAL MOTOF	R PERFORM	IANCE DATA			
le	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1777	326T	230/460	60	3	116/58

<b>HP</b> 50	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps	
	37	4	1777	326T	230/460	60	3	116/58	
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)	
TEFC	55	F	1.15	CONT	94.5	B		40 C	
oad	HP	kW	Ampe		Efficiency		Power Fa		
ull Load	50.00	37.3	5		94.5		85		
Load	37.50 25.00	28.0 18.6	4:		94.0		82		
Load	12.50	9.3	2!		92.3		52		
Load	12.50	9.5			00.0				
o Load ocked Rotor			19 39				4.		
148		-	10	1	50		300	11.60	
Safe Stall T		Sound Pressure		Bearing	IS*		Approx. Mo	tor Weight	
Cold	Hot	dB(A) @ 1M	DE			NDE		(lbs)	
35	15	-	6312	ZC3	6312Z0	53	651		
earings are the only re	commended spare	e part(s).							
Bearings are the only re <b>Notor Options:</b> Product Family:EQP Mounting:Footed,Sh Full Load Amps at 2	9 Global SD haft:T Shaft	e part(s).							
lotor Options: Product Family:EQP Aounting:Footed,Sh full Load Amps at 2	9 Global SD haft:T Shaft	e part(s).							
Iotor Options: Product Family:EQP Aounting:Footed,Sh Full Load Amps at 2	9 Global SD haft:T Shaft	e part(s).							
Iotor Options: Product Family:EQP Aounting:Footed,Sh Full Load Amps at 2 Sustomer Sustomer PO Fales Order	9 Global SD haft:T Shaft	e part(s).							
ustomer ustomer PO ales Order roject #	9 Global SD haft:T Shaft	e part(s).							
otor Options: Product Family:EQP Nounting:Footed,Sh ull Load Amps at 2 ustomer ustomer PO ales Order roject #	9 Global SD haft:T Shaft	e part(s).							
otor Options: Product Family:EQP Nounting:Footed,Sh ull Load Amps at 2 ustomer ustomer PO ales Order roject # ag:	P Global SD haft:T Shaft 08: 128	lues.							
otor Options: Product Family:EQP founting:Footed,Sh ull Load Amps at 2 ustomer ustomer	P Global SD paft:T Shaft 08: 128		NATIONAL CO	RPORATION · H Doc. Written By	HOUSTON, TEX		Doc.#/Rev	MPCF-1119 /	



Leading Innovation >>>

## TYPICAL MOTOR PERFORMANCE DATA

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Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

			<b>51 3 3 4</b>	-	<b>N K</b>	· · ·		
HP 50	<b>kW</b> 37	Pole 4	FL RPM 1465	Frame 326T	Voltage 190/380	<b>Hz</b> 50	Phase 3	FL Amps 140/70
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
				-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.0	CONT	92.7	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	50.00	37.3	70		93.0			6.9
Load	37.50	28.0	53	3	92.9		85	5.0
2 Load	25.00	18.6	39	Э	91.8		79	9.0
Load	12.50	9.3	27	7	87.5		60	0.0
lo Load			18	.8			4	.5
ocked Rotor			43	3			29	9.5
Full Lc (lb-ft 179	t)	(%	Torque d Rotor FLT) 65	Pu (%	ull Up 5 FLT) 115		<b>ak Down</b> <b>6 FLT)</b> 230	Rotor wk <sup>2</sup> Inertia (Ib-ft <sup>2</sup> ) 11.60
			DE DE					
Cold 30	<b>Hot</b> 10	dB(A) @ 1M -	<b>DI</b> 6312		NDE 6312Z0		-	51
30 Bearings are the only re	10 ecommended spare	-					-	
30	10 ecommended spare	-					-	-
30 Bearings are the only re <b>Iotor Options:</b> Product Family:EQF	10 ecommended spare	-					-	-
30 Bearings are the only re <b>lotor Options:</b> Product Family:EQF Aounting:Footed,Sh Jounting:Footed,Sh	10 ecommended spare	-					-	-
30 Bearings are the only re <b>lotor Options:</b> Product Family:EQF Aounting:Footed,Sh Jounting:Footed,Sh	10 ecommended spare	-					-	
30 Bearings are the only re lotor Options: roduct Family:EQF founting:Footed,St dounting:Footed,St	10 ecommended spare	-					-	-
30 Bearings are the only re lotor Options: roduct Family:EQF Mounting:Footed,Sh Mounting:Footed,Sh ustomer ustomer ustomer PO ales Order roject #	10 ecommended spare	-					-	-
30 Bearings are the only re Product Family:EQF Mounting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	10 ecommended spare P Global SD haft:T Shaft		6312	ZC3	631220	23	-	-
30 Rearings are the only re Product Family:EQF Mounting:Footed,Sh Mounting,Sh Mounting:Footed,Sh Mounting,Sh Mounting:Footed,Sh	10 ecommended spare P Global SD haft:T Shaft	e part(s).	6312	ZC3	6312ZC	C3	6	51
30 Bearings are the only re <b>Notor Options:</b> Product Family:EQF Mounting:Footed,Sh	10 ecommended spare P Global SD haft:T Shaft		6312	ZC3	6312ZC	C3	-	51 51 



Engineering

Engr. Date

Jrodrigu

7/25/2024

TOSH	IBA			Issued Date Issued By	6/19/20 dschoe		Transmit # Issued Rev	
Leading Inno		SI	PEED TORQ	UE/CURREN	T CURVE			
Model:	0504SDSR41A	-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amp
50	37	4	1777	326T	230/460	60	3	116/58
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambien (°C)
TEFC	55	F	1.15	CONT	94.5	В		40 C
ocked Rotor	Rotor wk <sup>2</sup> Inertia	Full Load	Locked	Rotor	Torque Pull U	n	Break	Down
Amps	(lb-ft <sup>2</sup> )	(lb-ft)	(%		(%)	٣	(%	
394	11.60	148	21		150		30	
280 <b>900</b> 140 70 0 100 100 100 100 100 100		20	40 Synch	e ronous Speed	50 50 6 (%)	80	3	50
stomer					wk <sup>2</sup> Load I	nertia (lb-ft²)	-	
stomer PO				ľ		Load Type	-	
les Order				L L		Voltage (%)	10	00
stomer PO				-	wk² Load I	Load Type		

Doc. Written By

Doc. Approved By

D. Suarez

M. Campbell

Doc.# / Rev

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6/8/2011



HP

50

Enclosure

TEFC

Locked Rotor

Amps

433

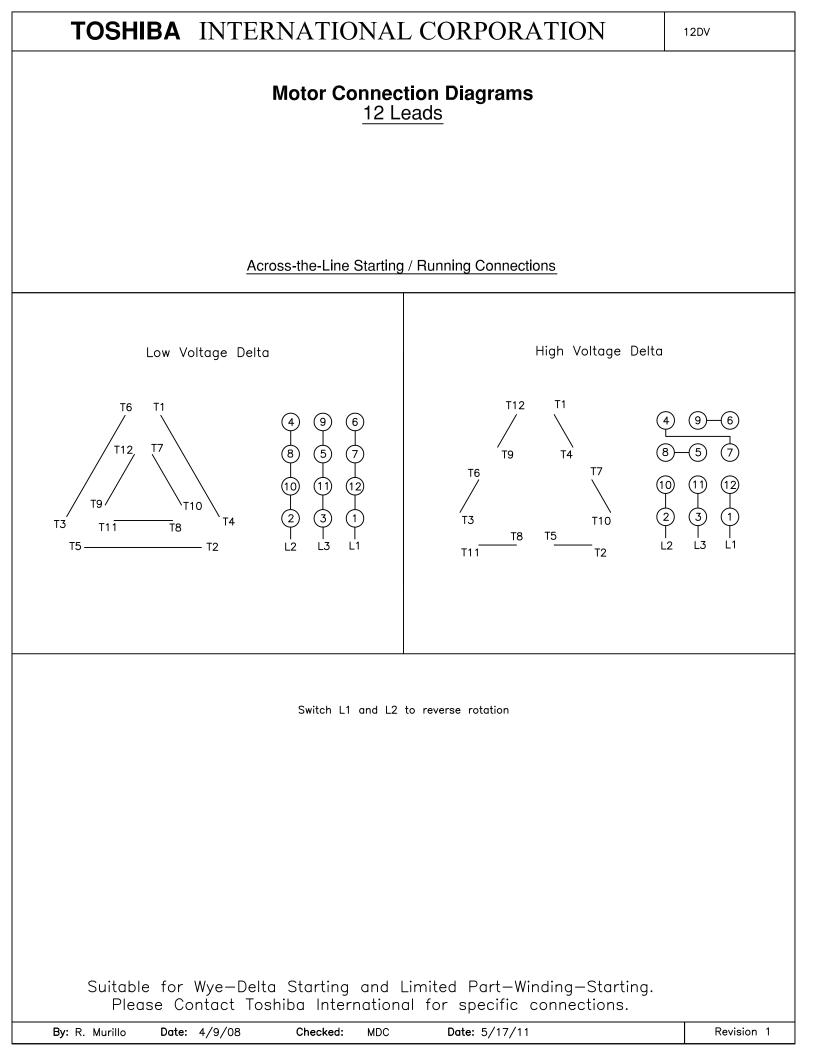
			Issued Date	6/19/20	25	Transmit #	
HIBA			Issued By	dschoe	ck	Issued Rev	
Innovation >>>		PEED TORQ	UE/CURREN	T CURVE			
del: 0504SDSR41A-	Р						
kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
37	4	1465	326T	190/380	50	3	140/70
e IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
55	F	1.0	CONT	92.7	В		40 C
tor Rotor wk <sup>2</sup>				Torque		_	
merua	Full Load	Locked		Pull U	р	Break I	
(lb-ft²)	(lb-ft)	(%		(%)		(%	
11.60	179	16	5	115		23	0
180							20 <u>2</u>
180				_		21	Current (%)
60						1,	40
		40	6	0	80	108	
0	20	40					
0 <mark>0</mark>	20		ronous Speed	(%)			
000	_		ronous Speed	(%)			

Customer	wk <sup>2</sup> Load Inertia (Ib-	ft²) -
Customer PO	Load T	/pe -
Sales Order	Voltage	( <b>%)</b> 100
Project #	Accel. Ti	me -

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0				
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				Issued Date:	6/19/20	)25	Transmit #:	
TOSH	IIBA			Issued By:	dschoe	eck	Issued Rev:	
	novation >>>	•	SPAR	E PARTS LIS	T*			
Model	: 0504SDSR41	A-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	4	1777	326T	230/460	60	3	116/58
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.5	В		40 C
Bearings DE	6312ZC3 / 60	BC03JP3OX						
Bearings NDE	6312ZC3 / 60	BC03JP3OX						

\*Bearings are the only recommended spare part(s).

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer					
Customer PO		]			
Sales Order		1			
Project #					
Tag:					
All characteristics are average					
		<b>RNATIONAL CORPORATION · HO</b>	USTON, TEXAS U.S.	Α.	
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
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